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SAMPLING TOOL TO EXTRACT CORES FROM
BALED HAY OR STRAW FOR ANALYSIS

C. H. Billingsley and J. T. Hayward^{1/}

The core sampling tool described herein was designed to provide a quick, economical method of obtaining samples from baled hay and straw with a minimum effort and disturbance to the bales.

The tool is powered by a heavy duty, 110-volt, low speed, 1/2-inch electric drill. If necessary, a portable electric generator can be used to power the drill.

Parts for the sampling tool include a 2-inch circular metal saw blade for the cutting edge (fig. 1, A), welded to a 12-inch length of 2-inch, thin-wall, electrical conduit. A 1/2-inch harbor adaptor is welded to the opposite end of the conduit.

Core samples are obtained by pushing the tool firmly into the bale for the length of sample desired and then withdrawing the tool (figs. 1, B and 2). A barbed rod is used to remove the hay or straw from the cylinder (fig. 3).

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^{1/} Methods Improvement Operations, Plant Pest Control
Division, ARS, USDA, Niles, Mich.

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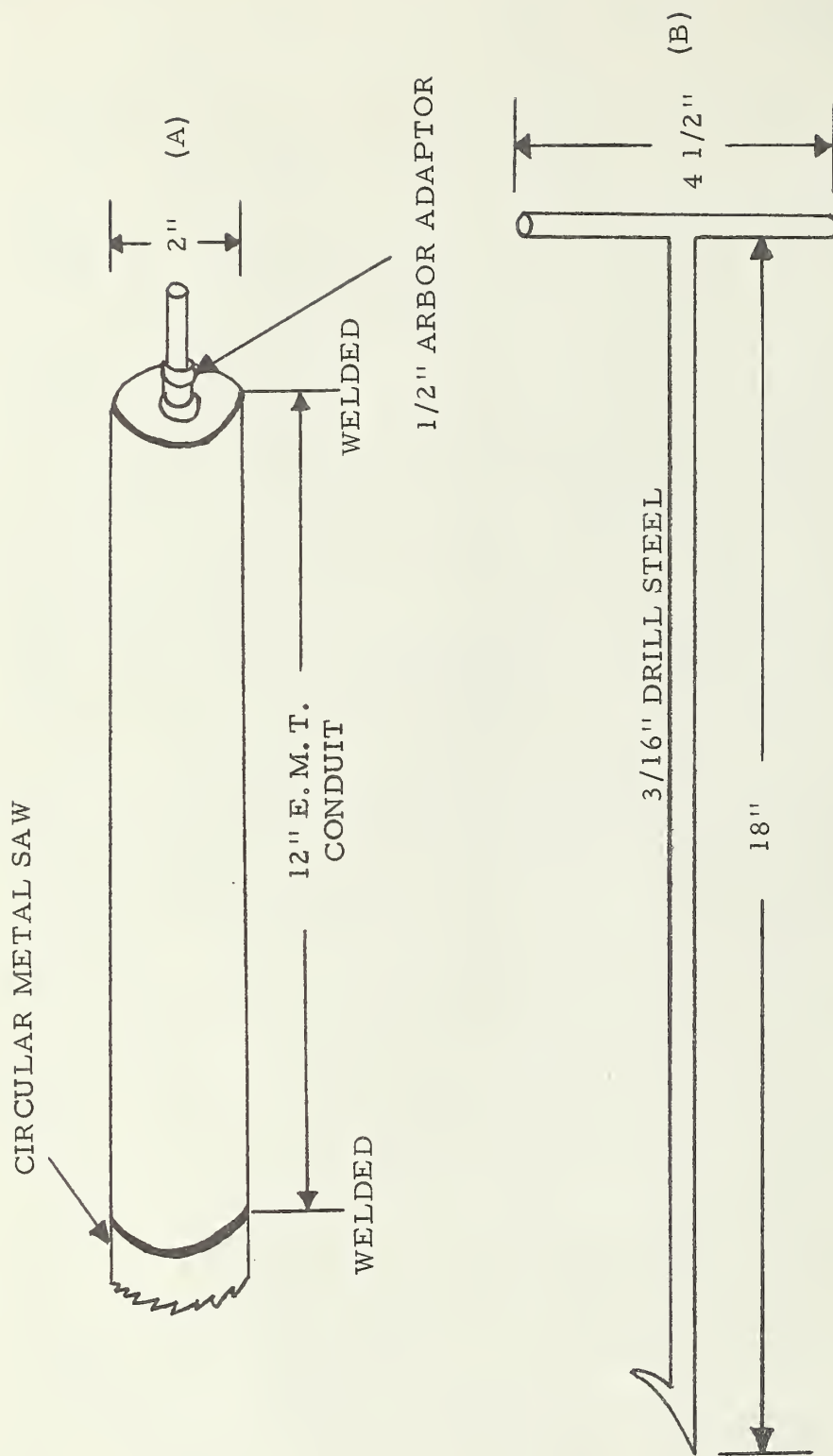


Figure 1. --Sketch of the sampling device showing cutting tool (A) and core remover (B).



Figure 2. --Cutting a sample core from baled hay.

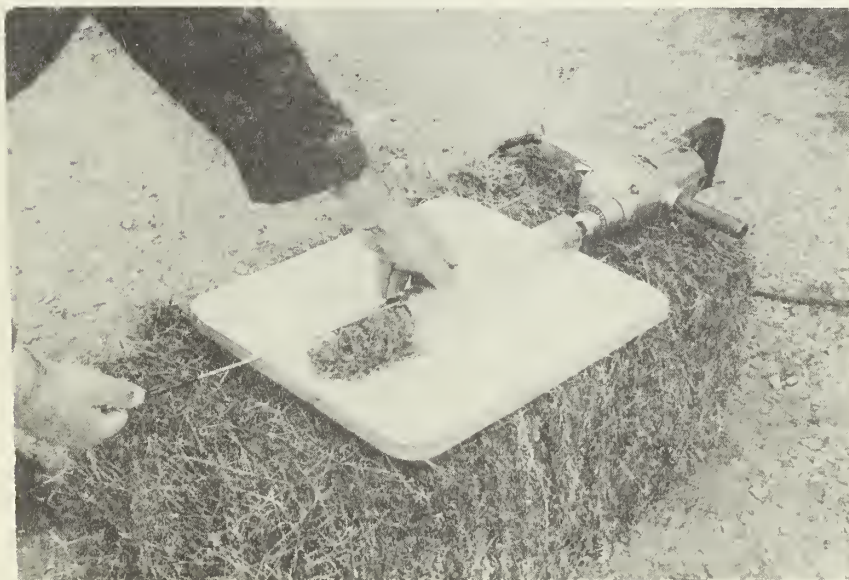


Figure 3. --Removing sample core from cutting tool with a barbed rod.

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